

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appln. Ser. No. : 10/644,288  
Inventor : Paul Diamond  
Filing Date : August 20, 2003  
Title : REGULATION OF POLYNUCLEIC ACID  
ACTIVITY AND EXPRESSION  
Examiner : I. Popa  
Group Art Unit : 1633

FILED VIA EFS-WEB July 15, 2007
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**Mail Stop Amendment**  
Commissioner for Patents  
Alexandria, VA 22313-1450

**AMENDMENT AND RESPONSE**

This paper is timely filed in response to the non-final Office Action mailed May 2, 2007 in the referenced application (“Present Office Action;” “OA”).

A supplemental Information Disclosure Statement (“IDS”) is also submitted herewith. Payment of One Hundred Eighty Dollars (\$180.00) has been made by credit card to cover the IDS submission fee under 37 C.F.R. §1.17(p).

Payment of Fifty Dollars (\$50.00) has also been made by credit card for the addition of two dependent claims in excess of twenty for a small entity pursuant to 37 C.F.R. §1.16(i).

**Amendments to the claims** are reflected in the listing of claims beginning on page 2.

**Remarks** begin on page 8 of this paper.